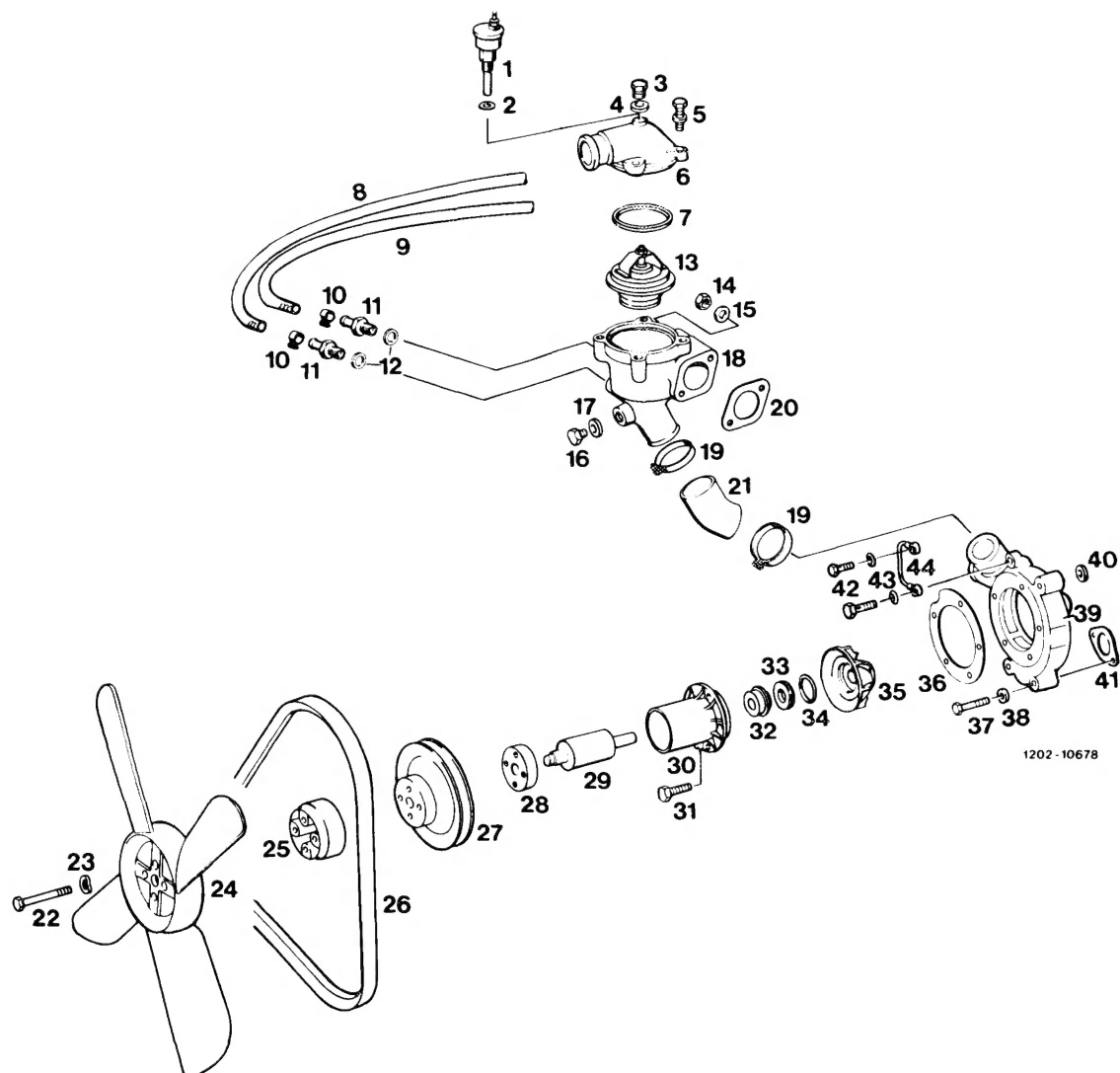


## Layout fan, coolant pump, coolant thermostat housing



- |  |  |
|--|--|
| 1 Temperature switch   | Switching via coolant temperature additional fan on vehicles with air conditioning<br>Switching-on temperature $100 \pm 2^{\circ}\text{C}$<br>Switching-off temperature $95_{-2}^{+3}\text{C}$ |
| 2 Sealing ring   | A 14 x 18 — Cu   |
| 3 Locking screw  | M 14 x 1.5, closing on vehicles without air conditioning the threaded bore for temperature switch $100^{\circ}\text{C}$ in cover of coolant thermostat housing                                 |
| 4 Sealing ring   | A 14 x 18 — AL   |
| 5 Combination countersunk screw  | M 6 x 22, 4 each, tightening torque 10 Nm  |
| 6 Cover (coolant thermostat housing)   |  |
| 7 Sealing ring   | Check whether cracked, squeezed or hardened. Replace, if required.   |
| 8 Hose heater water return flow (starter cover heater Stromberg carburetor)  | 7 x 14 x 280 mm  |
| 9 Hose heater water initial flow (starter cover heater Stromberg carburetor) | 7 x 14 x 215 mm  |

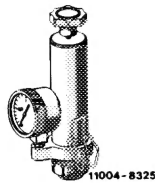
10	Hose clip	L 14–16
11	Threaded pin	
12	Sealing ring	A 12 x 17
13	Coolant thermostat	Up to middle of December 1975 with start of regulation at $79 \pm 2$ °C, end of regulation (fully opened) at max. 94 °C. Part No. 002 203 75 75, optionally 002 203 78 75. Starting middle of December 1975, with start of regulation at $87 \pm 2$ °C, end of regulation (fully opened) at max. 102 °C. Part No. 002 203 76 75, optionally 002 203 81 75. Both versions are exchangeable for each other. When installing make sure that ball in vent valve is moving freely
14	Hexagon nut	M 8, 2 each, tightening torque 20 Nm. Attachment coolant thermostat housing on cylinder head
15	Spring washer	B 8, 2 each
16	Locking screw	M 16 x 1.5
17	Sealing ring	A 16 x 20 – AL
18	Coolant thermostat housing	
19	Hose clip	L 36–46
20	Sealing washer	Replace when removing and installing coolant thermostat housing
21	Coolant hose (bypass line)	
22	Hexagon screw	M 8 x 65, 4 each, tightening torque 23 Nm. Fan, hub ring and V-belt pulley on flange of coolant pump shaft
23	Spring washer	B 8, 2 each
24	Fan	5 blades, 430 mm dia., plastic material
25	Hub ring	
26	Narrow V-belt	Dimension and assembly instructions (13–335 and 13–340)
27	V-belt pulley	V-belt running surfaces free from burr, rust and dirt
28	Flange	Observe installation instructions (20–220)
29	Coolant pump shaft with compact bearing	Observe installation instructions (20–220)
30	Bearing housing	
31	Hexagon screw	M 6 x 18, 5 each, tightening torque 10 Nm. Coolant pump on coolant pump housing
32	Sliding ring sealing	Observe installation instructions (20–220, 20–225)
33	Counter-ring	Observe installation instructions (20–220, 20–225)
34	Sealing ring	Observe installation instructions (20–220, 20–225)
35	Fan blade	Observe installation instructions (20–220, 20–225)
36	Sealing washer	Replace when removing and installing coolant pump
37	Hexagon screw	M 8 x 38, 5 each, tightening torque 32 Nm. Coolant pump housing on cylinder crankcase
38	Washer	8.4 x 20 x 3, 3 each (engines 115.923/926/938/939) 5 each (engines 115.951/954)
39	Coolant pump housing	
40	Washer	Engines 115.923/926/938/939
41	Sealing washer	Replace when removing and installing coolant pump
42	Hollow screw	A 2/3, 2 each
43	Sealing ring	A 8 x 11.5 – AL, 4 each
44	Vent line	Coolant pump housing to cylinder head

Tightening torques			Nm
Drain plug	radiator	model 115	8
		model 123	1,5–2 <sup>1)</sup>
	cylinder crankcase		30
Fastening screws	coolant pump to coolant pump housing		10
	fan, hub ring and pulley to coolant pump		23

<sup>1)</sup> This torque can be attained by means of a disc or a coin.

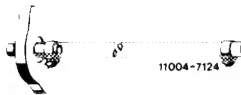
### Special tools

Tester for cooling system  
and radiator cap



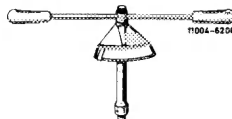
001 589 48 21 00

Radiator cap with hose for  
leak test



605 589 00 25 00

Torque wrench 1/4" square,  
4–16 Nm



000 589 67 21 00

### Conventional tool

Hexagon socket 7 mm on flexible shaft  
for hose clips

e.g. made by Hazet, D–5630 Remscheid  
order No. 426–7

### Note

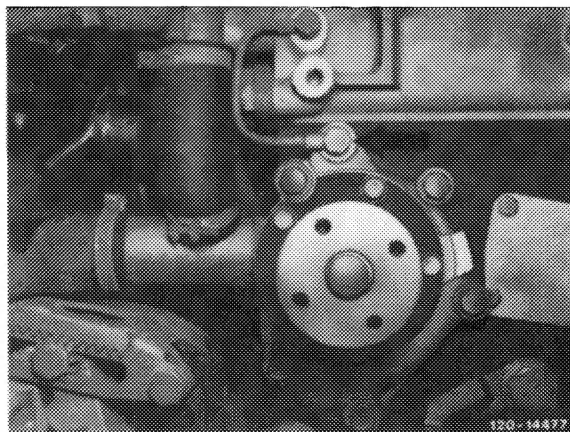
In order to improve the noise behaviour, on vehicles of the standard version with **manual transmission** the ratio for fan and coolant pump drive was changed to  $i = 1 : 0.81$  (formerly  $= 1 : 0.9$ ). The diameter of coolant pump V-belt pulley thereby was increased to 153 mm (formerly 138 mm), the V-belt dimension was changed to 9.5 x 960 mm (formerly 9.5 x 940 mm).

**Start of series production: April 1978**

Model	Engine	Engine end No.	Chassis end No.
123.020	115.938	053 136	074 450
	115.939	007 564	
123.023	115.954	063 339	091 060
123.043			005 200

## Removal

- 1 Drain coolant (20—010).
- 2 Remove fan.
- 3 Remove V-belt.
- 4 Remove pulley.
- 5 On vehicles with air conditioning, unscrew refrigerant compressor with carrier and connected lines and put aside (Repair instructions air conditioning system model 114, 115 or air conditioning system I model 123, 83—522).
- 6 Screw-out fastening screws on coolant pump and remove coolant pump.



## Installation

- 7 Install coolant pump with new seal and tighten fastening screws to 10 Nm.
- 8 For further installation proceed vice versa to removal. In this connection, tighten fastening screws for V-belt pulley, hub ring and fan to 25 Nm.
- 9 Fill-in coolant (20—010) and check cooling system by pressure-testing with tester (1—1.3 bar gauge pressure) for leaks.